



32692

PATENT TRADEMARK OFFICE

Patent  
Case No.: 55243US019

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: LODER, HARRY A.  
Application No.: 09/992212 Group Art Unit: 2874  
Filed: November 6, 2001 Examiner: Pak, Sung H.  
Title: APPARATUS AND METHOD FOR CONTROLLING THE BEND RADIUS OF AN  
OPTICAL FIBER CABLE

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Commissioner for Patents  
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CERTIFICATE OF TRANSMISSION	
To Fax No.: 703-874-9319	
I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office on:	
Date August 28, 2003	Signed by: Linda Ramirez

Dear Sir:

As a follow-up to previous phone conversations, the undersigned respectfully requests that the Examiner return the PTO-1449 form included with the Information Disclosure Statement dated January 23, 2003, acknowledging consideration of the references listed thereon. Copies of the forms are enclosed for the Examiner's convenience. A copy of the dated returned postcard is also enclosed.

The undersigned respectfully requests that the Examiner return the PTO-1449 form included with the Information Disclosure Statement dated November 6, 2003, acknowledging consideration of the references listed as:

Other Documents: Frederic H. Abednschein, et al., "*Recent Advances in Fiber-Optic BackPlane Connector*."

L. Melchior, et al., "*A High Density Optical Backplane Connector*"

Copies of the forms are enclosed for the Examiner's convenience.

The issue fee due on September 12, 2003, has not yet been paid.

Respectfully submitted,

28 August 2003  
Date

By: Yen Tong Horczak  
Yen Tong Horczak, Reg. No.: 45,163  
Telephone No.: (512) 984-4669

DATE: 9/1/03  
ATTORNEY DOCKETED YJE

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PATENT TRADEMARK OFFICE

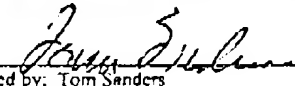
DUPLICATE  
ORIGINALPatent  
Case No.: 55243US019

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: LODER, HARRY A.  
Application No.: 09/992212 Group Art Unit: 2874  
Filed: November 5, 2001 Examiner: Pak, Sung H  
Title: APPARATUS AND METHOD FOR CONTROLLING THE BEND RADIUS OF AN OPTICAL FIBER CABLE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, DC 20231

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:	
January 23, 2003 Date	 Signed by: Tom Sanders

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449 citing references submitted for consideration by the Examiner. A copy of each cited reference is also enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.


Under 37 CFR § 1.97(e)(1), I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement.

Under 37 CFR § 1.704(d), I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty (30) days prior to the filing of this Information Disclosure Statement.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3725.

Respectfully submitted.

23 January 2003  
Date

By:   
Yen Tong Florczak, Reg. No.: 45,163  
ATTORNEY AT LAW

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Substitute for form 1449A/PTO (modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 1	<b>Application Number</b>	<b>09/992212</b>
	<b>Filing Date</b>	<b>November 5, 2001</b>
	<b>First Named Inventor</b>	<b>Loder, Harry A.</b>
	<b>Art Unit</b>	<b>2874</b>
	<b>Examiner Name</b>	<b>Pak, Sung H</b>
	<b>Attorney Case Number</b>	<b>55243US019</b>

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US-			
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry Code	Number-KindCode (if known)				
	B1	EP	0 788 002 A1	08-06-1997			Yes
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	
	C2	
	C3	

Examiner:

Date Considered:

EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 10527 - H

Application Of

File Number

Title

Page Of Spec

Sheets

Draft Included

Attorney (Initial)

First Named Inventor: LODER, HARRY A.

Case No.: 55243US019

Application No.: 09/992212

Title: APPARATUS AND METHOD FOR CONTROLLING THE BEND  
RADIUS OF AN OPTICAL FIBER CABLE

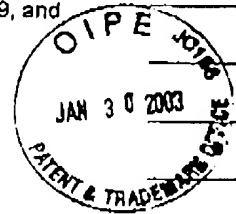
## Enclosures:

Information Disclosure Statement, Form PTO-1449, and  
cited reference.

Amount charged to Deposit Account: \$0.0

Attorney (initials): YTF/lmr

Date: January 23, 2003



**DUPLICATE  
ORIGINAL**CERTIFICATE OF MAILING  
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date below.

11-6-01  
Date  
Signature**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Harry A. Leder and Duane T. Smith

Serial No.: Unknown

Filed: November 6, 2001

For: OPTICAL FIBER CONNECTOR SYSTEM

Group Art Unit: 2833

Examiner: Unknown

Atty. Dkt. No.: 55243US019

**INFORMATION DISCLOSURE STATEMENT**Commissioner for Patents  
Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

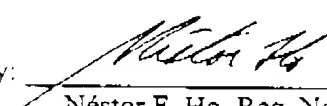
The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from 3M Innovative Properties Company Deposit Account No. 13-3723.

This application is a divisional application of Serial No. 09/643,333, filed August 22, 2000, which is a continuation-in-part of U.S. Patent Application No. 09/443,713, filed December 1, 1999, and is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d), copies of the listed documents are not enclosed as they have been previously cited by or submitted to the Patent and Trademark Office in prior applications Serial Nos. 09/643,333 and 09/643,713.

Applicant respectfully requests that the listed documents be made of record in the present case.

Respectfully submitted,

By:

  
Néstor F. Ho, Reg. No. 39,460

Date: November 5, 2001

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GENERAL COUNSEL

OMB No. 0651-0011

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.:	Serial No.:
	55243US019	Unknown
	Applicant(s): Harry A. Loder and Duane T. Smith	
	Filing Date:	Group: 2833

 10976 U.S. PTO  
 09/992212  
 11/05/01

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
SP	4,863,232	09/05/89	Peter T. H. Kwa	350	96.20	03/02/89
GP	5,123,073	06/16/92	R. Pimpinella	385	59	05/31/91
SP	5,144,391	09/01/92	Iwata et al.	357	23.7	02/20/91
SP	5,155,784	10/13/92	Michael P. Knott	385	88	10/30/91
SP	5,155,785	10/13/92	Wm. Holland et al.	385	89	10/30/91
SP	5,204,925	04/20/93	R. Bonanni et al.	385	89	09/11/91
SP	5,216,732	06/01/93	Michael P. Knott	385	59	03/09/92
SP	5,793,919	08/11/98	Roger Payne et al.	385	135	
SP	5,796,896	08/18/98	N. A. Lee	385	59	03/14/96
SP	5,809,191	09/15/98	Stevens et al.	385	59	02/20/97
SP	5,960,138	09/28/99	N. Shimoji et al.	385	58	05/04/98
GP	6,186,670	02/13/01	D. Austin, et al.	385	55	06/02/98

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	SubClass	Translation	
						Yes	No
SP	0485 196 A2	13.05.92	EPO	G02B	6/38	X	
SP	0 516 337 B1	23.07.97	EPO	G02B	6/38	X	
SP	0 929 199 A1	14.07.99	EPO	H04Q	1/14	X	
SP	0 949 522 A2	13.10.99	EPO	G02B	6/38	X	
SP	WO98/59271	30.12.98	PCT	G02B	6/38		X

## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

	Frederic H. Abendschein, et al., "Recent Advances in Fiber-Optic Backplane Connectors", IEEE, 1998 Electronic Components and Technology Conference, pp. 790-793
	L. Melchior, et al., "A High Density Optical Backplane Connector", IEEE, 1996 Electronic Components and Technology Conference, pp. 453-455.
SP	Iwano, et al., "Compact and Self-Retentive Multi-Ferrule Optical Backplane Connector", Journal of Lightwave Technology, October 1992, No. 10, pp. 1356-1362

EXAMINER

Date Considered